

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method in a computer system for determining performance of [[a]] an operational turbine, the method comprising:

receiving from a user an identification of [[a]] the operational turbine to be analyzed;

retrieving configuration information for the identified operational turbine;

determining current performance characteristics of the operational turbine based on the retrieved configuration information;

sending to the user a display page for displaying the determined current performance characteristics;

receiving from the user an indication of a modification to the configuration of the identified operational turbine;

determining future performance characteristics of the identified operational turbine based on the indicated modification to its configuration; and

sending to the user a display page for displaying the determined future performance characteristics.

2. (Currently Amended) The method of claim 1 wherein the determining of the current performance characteristics includes simulating the current performance characteristics based on ~~various~~ plural readings collected from the identified turbine.

3. (Original) The method of claim 2 wherein the simulating of the current performance characteristics includes estimating fuel flow by repeatedly simulating the current performance characteristics with a varying fuel flow until a desired combustor efficiency is achieved.

4. (Currently Amended) The method of claim 1 wherein the determining of the current performance characteristics includes ~~adjusting initial performance characteristics~~ ~~includes~~ adjusting initial performance characteristics based on length of time the identified turbine has been in operation.

5. (Original) The method of claim 1 wherein the determining of the current performance characteristics includes measuring the performance characteristics of the turbine.

6. (Original) The method of claim 1 wherein the display page includes an indication of average performance characteristics for similar turbines.

7. (Original) The method of claim 1 wherein the display page includes an indication of highest performance characteristics for similar turbines.

8. (Original) The method of claim 1 wherein the display page includes a graph illustrating performance characteristics.

9. (Original) The method of claim 8 wherein the graph includes a background with colors that transition from a shade of red to a shade of yellow to a shade of green.

10. (Currently Amended) The method of claim 1 including receiving financial information relating to operation of the identified operational turbine and estimating revenue generated from the identified operational turbine with the indicated modification.

11. (Currently Amended) A method in a computer system for determining performance of [[a]] an operational turbine, the turbine having a configuration, the method comprising:

simulating a current performance characteristic based on ~~various~~ a plurality of readings collected from [[an]] the operational identified turbine;

receiving from a user an indication of a modification to the configuration of the identified operational turbine;

determining a future performance characteristic of the identified operational turbine based on the indicated modifications to its configuration; and
sending to the user a display page for displaying the determined future performance characteristic.

12. (Original) The method of claim 11 wherein the simulating of the current performance characteristic includes estimating fuel flow by repeatedly simulating the current performance characteristic with a varying fuel flow until a desired combustor efficiency is achieved.

13. (Original) The method of claim 11 wherein the display page includes an indication of an average for the performance characteristic for similar turbines.

14. (Original) The method of claim 11 wherein the display page includes an indication of a highest performance characteristic for similar turbines.

15. (Original) The method of claim 11 wherein the display page includes a graph illustrating performance characteristics.

16. (Original) The method of claim 15 wherein the graph includes a background with colors that transition from a shade of red to a shade of yellow to a shade of green.

17. (Original) The method of claim 11 wherein the display page is a web page.
18. (Original) The method of claim 11 wherein the display page is sent via the Internet.
19. (Currently Amended) The method of claim 11 including receiving financial information relating to operation of the identified operational turbine and estimating revenue generated from the identified operational turbine with the indicated modification.
20. (Currently Amended) A method in a computer system for displaying a performance characteristic of [[a]] an operational turbine, the method comprising:
sending an identification of [[a]] the operational turbine; and
receiving a display page indicating a performance characteristic of the identified operational turbine relative to the performance characteristic for similar turbines.
21. (Currently Amended) The method of claim 20 including:
sending an indication of a modification to the identified operational turbine; and
receiving a display page indicating the performance characteristic of the identified operational turbine with the indicated modifications.

22. (Currently Amended) The method of claim 20 wherein the display page includes financial information relating to possible modifications to the identified operational turbine.

23. (Currently Amended) The method of claim 20 wherein the performance characteristic of the identified operational turbine is displayed as a graph.

24. (Original) The method of claim 23 wherein the graph indicates the performance characteristic for similar turbines.

25. (Original) The method of claim 24 wherein the graph includes an indication of an average performance characteristic for similar turbines.

26. (Original) The method of claim 24 wherein the graph includes an indication of a highest performance characteristic for similar turbines.

27. (Original) The method of claim 23 wherein the graph includes a background with colors that transition from a shade of red to a shade of yellow to a shade of green.

28. (Currently Amended) A computer-readable medium containing instructions for controlling a computer system to determine a performance characteristic of an

operational turbine, the operational turbine having a configuration, by a method comprising:

simulating a current performance characteristic based on ~~various~~ a plurality of readings collected from an identified operational turbine;

receiving an indication of a modification to the configuration of the identified operational turbine; and

determining a future performance characteristic of the identified operational turbine based on the indicated modifications to the configuration.

29. (Original) The computer-readable medium of claim 28 wherein the simulating of the current performance characteristic includes estimating fuel flow by repeatedly simulating the current performance characteristic by varying fuel flow until a desired combustor efficiency is achieved.

30. (Currently Amended) The computer-readable medium of claim 28 including receiving financial information relating to operation of the identified operational turbine and estimating revenue generated from the identified operational turbine with the indicated modification.

31. (Original) The computer-readable medium of claim 28 including sending a display page for displaying the determined future performance characteristic.

32. (Original) The computer-readable medium of claim 31 wherein the display page includes an indication of an average for the performance characteristic for similar turbines.

33. (Original) The computer-readable medium of claim 31 wherein the display page includes an indication of a highest performance characteristic for similar turbines.

34. (Original) The computer-readable medium of claim 31 wherein the display pages includes a graph illustrating the performance characteristics.

35. (Original) The computer-readable medium of claim 34 wherein the graph includes a background with colors that transition from a shade of red to a shade of yellow to a shade of green.

36. (Original) The computer read-able medium of claim 31 wherein the display page is a web page.

37. (Original) The computer-readable medium of claim 31 wherein the display page is sent via the Internet.

38. (Currently Amended) A computer system for determining a performance characteristic of ~~[[a]]~~ an operational turbine, the turbine having a configuration, comprising:

means for receiving an indication of a modification to the configuration of ~~[[an]]~~ the identified operational turbine; and

means for determining a future performance characteristic of the identified operational turbine based on the indicated modifications to its configuration.

39. (Currently Amended) The computer system of claim 38 including:

means for simulating a current performance characteristic based on various readings collected from the identified operational turbine.

40. (Original) The computer system of claim 39 wherein the means for simulating the current performance characteristic includes means for estimating fuel flow by repeatedly simulating the current performance characteristic by varying fuel flow until a desired combustor efficiency is achieved.

41. (Original) The computer system of claim 38 including means for receiving financial information relating to operation of the identified operational turbine and means for estimating revenue generated from the identified operational turbine with the indicated modification.